

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
4 August 2005 (04.08.2005)

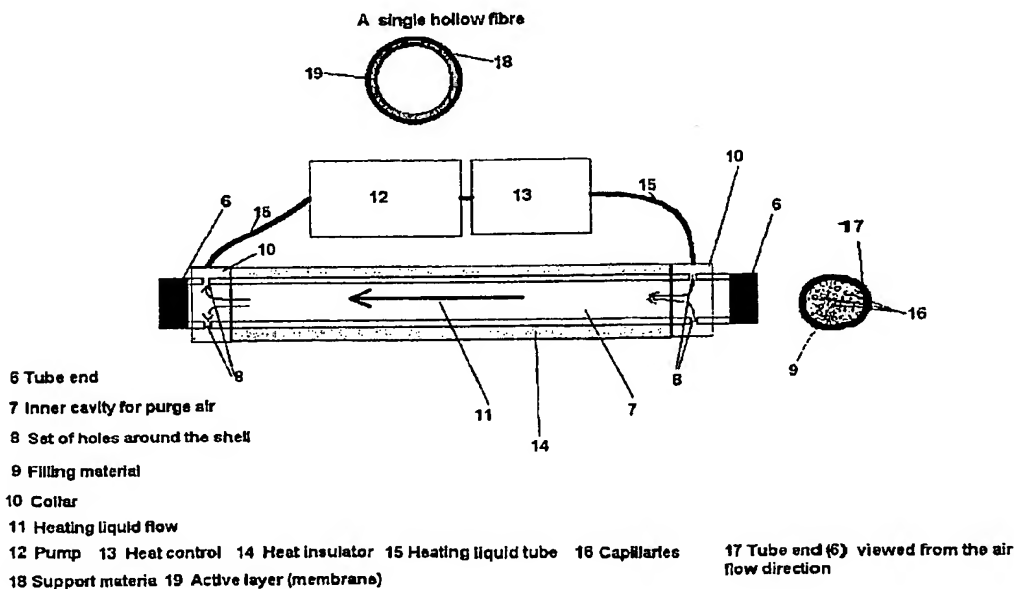
PCT

(10) International Publication Number
WO 2005/071395 A1

- (51) International Patent Classification⁷: **G01N 30/02**, B01D 53/10, 63/02
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- (21) International Application Number: **PCT/FI2005/000045**
- (22) International Filing Date: 21 January 2005 (21.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
20040098 23 January 2004 (23.01.2004) FI
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: GAS CHROMATOGRAPH



(57) Abstract: The invention relates to a gas chromatograph for the analysis of gas samples. It has a feed arrangement for feeding the sample, an open tubular capillary column for separating the components of the sample, temperature control means for controlling the temperature of the column, and a detector for detecting the separated components of the sample. The efficiency has been improved and a convenient hand-held version has been made possible by constructing the column of a bundle of open tubular capillaries having a gas permeable wall comprising a polymer membrane. The invention also relates to the use of such a column together with a detector for identifying gaseous samples.